| Index of Claims |          |   |          |           |                 |           |  |            |            |                 |       |          | 7        | Application No.                                   |              |  |              |        |                  |          |          |            | Applicant(s)   |               |         |        |          |                    |          |
|-----------------|----------|---|----------|-----------|-----------------|-----------|--|------------|------------|-----------------|-------|----------|----------|---|--------------|--|--------------|--------|------------------|----------|----------|------------|----------------|---------------|---------|--------|----------|--------------------|----------|
|                 |          |   |          |           |                 |           |  |            |            |                 |       |          |          | 10/617,025  |              |  |              |        |                  |          |          |            | KOMATSU ET AL. |               |         |        |          |                    |          |
|                 |          |   |          |           |                 |           |  |            |            |                 |       |          | I        | Examiner  |              |  |              |        |                  |          |          |            | Art Unit       |               |         |        |          |                    |          |
|                 |          |   |          |           |                 |           |  |            |            |                 |       |          |          | (   | Olg          | а  | As           | inc    | ovsk             | :y       |          |            |                | 17            | 11      |        |          |                    |          |
|                 |          |   |          |           |                 |           | 1  | Г          |            |                 |       |          |          |   |              | 1  |              |        |                  |          |          | _          |                |               |         |        |          | _                  |          |
|                 |          | Rejected - ÷  Allowed ÷  Date  79/77  V  V  Y |          |           | (TI             | rou<br>Ca | gh n<br>ance                                     | um<br>lled | eral       | al)             |       |          | N        | Non-Elected                                       |              |  | A            | Appeal |                  |          |          |            |                |               |         |        |          |                    |          |
|                 |          | = Allowed                                     |          |           | d               |           |  | ÷          | Restricted |                 |       |          | Ì        |   |              | ı  | Interferenc  |        |                  | nce      | СӨ       | o          | Objected       |               |         |        |          |                    |          |
| Cla             | im       | Γ.  | Date     |           |                 |           |  |            |            | Claim           |       |          |          |   | Date         |  |              |        |                  | Claim    | $\Box$   | Date       |                |               |         |        |          |                    |          |
|                 |          | 4   |          |           | ΠĪ              |           | ĬТ   | Т          |            | 7 I             |       |          | T        | Τ"  | Т            |  | Ť            |        | П                | ┪        |          |            | $\Box$         | Т             | Т       | Ī      | Ĭ        |                    | $\top$   |
| <u> </u>        | Original |   |          |           |                 |           |  | -          |            |                 | Final | Original |          |   |              |  |              |        |                  | ŀ        | Final    | Original   |                |               |         |        |          |                    |          |
| -               | Ö.       | N   |          |           |                 |           |  | -          |            |                 | ΙÏ    | ĕ        |          |   |              |  |              |        |                  |          | Ī        | Öiji       |                |               |         |        |          |                    |          |
| -               | 1        | -   | -        |           | $\vdash$        | L         |  | +          |            | <b>⊣</b> ∤      |       | 51       | $\dashv$ | +   | +-           | ├  | -            | -      | -                |          | -        | 101        | ₩              |               | -       | -      | Н        | $\dashv$           |          |
| $\dashv$        | 2        | ۲   |          |           | $\vdash$        | -         | -  | $\dashv$   | -+         | -               | -     | 52       | $\dashv$ |   | +            | ├-   | H            |        | $\vdash$         | -        | -        | 102        | -              |               |         | ╁      | Н        | +                  |          |
| ┪               | 3        | H   | 一        |           | $\vdash$        | Η.        | $\vdash$   | $\dashv$   | +          | <b>-</b>        |       | 53       | _        | +   | +            | ╁╌   |              | _      | 1-1              | ┪        | $\vdash$ | 103        |                | +             | +       | +      | H        | $\dashv$           |          |
| 7               | 4        |   |          |           |                 |           |  | ヿ          |            | 7               |       | 54       | $\top$   | $\neg$  | 1            | T  |              |        | $\Box$           | ┪.       |          | 104        |                | $\neg \vdash$ | $\top$  | †      | П        | $\top$             |          |
|                 | 5        | $\Box$  |          |           |                 |           |  | $\Box$     |            |                 |       | 55       |          |   | ·            |  |              |        |                  |          |          | 105        |                |               |         |        |          |                    |          |
| _               | 6        | Ш   |          |           | Ш               | <u> </u>  |  | _          | _          | <b>⊿</b>        |       | 56       | $\perp$  |   | _            | L  |              |        |                  |          |          | 106        |                |               | $\perp$ |        |          |                    |          |
| 4               | 7        |   |          |           | $\Box$          |           |  | 4          |            | 4 1             |       | 57       | 4        | _ _   | ↓_           | <u> </u>   |              |        | $\sqcup$         | _        | <u> </u> | 107        |                |               | 4       | _      |          |                    |          |
| $\dashv$        | 8_       | Ī   |          | _         | $\vdash$        | H         | $\vdash$   | 4          | _          | <b>⊣</b> ∣      |       | 58       | $\dashv$ | -   | ╀            | <b> </b>   |              |        | $\vdash$         | 4        | <b>—</b> | 108        | $\perp$        | -             |         | _      |          | -                  | —        |
| ᅱ               | 9<br>10  | $\vdash$                                      |          |           |                 | <u> </u>  | $\vdash$   | $\dashv$   |            | -               |       | 59<br>60 | $\dashv$ | +   | +            | ⊬  |              |        |                  | -        | $\vdash$ | 109<br>110 | +              |               | +       | +      | $\vdash$ | $\dashv$           | +        |
| -               | 11       | <del>  -  </del>                              | $\dashv$ | $\vdash$  | $\vdash$        | <u> </u>  | +  | $\dashv$   | -+         | <b>⊣</b> }      |       | 61       | $\dashv$ |   | +            | $\vdash$   | H            |        | $\vdash$         | $\dashv$ | -        | 111        | +              | +             | +-      | +-     | $\vdash$ | $\dashv$           | +        |
|                 | 12       | ₩   | $\dashv$ |           |                 |           | <del>                                     </del> | $\dashv$   | -+         | $\dashv$ $\mid$ |       | 62       | -+       | +   | +            | H  | H            |        | -                | $\dashv$ | $\vdash$ | 112        | $\vdash$       |               | +-      | +      | $\vdash$ | $\dashv$           | +-       |
| $\dashv$        | 13       | H   | $\dashv$ | -         | $\vdash$        |           |  | $\dashv$   | $\dashv$   | <b>⊣</b>        |       | 63       | -+       | +   | +            | $\vdash$   | H            |        | <del>     </del> | -        | $\vdash$ | 113        | $\vdash$       |               | +       | +      | $\vdash$ | $\dashv$           | +        |
| $\dashv$        | 14       | H   |          | $\exists$ | $\vdash \vdash$ | $\vdash$  | $\vdash$   | $\dashv$   | $\dashv$   | <b>- </b>       |       | 64       | $\dashv$ | +   | +-           | $\vdash$   | $\vdash$     |        | +                | ┪        |          | 114        | +              |               | +-      | +      | H        | $\dashv$           | +        |
| ┪               | 15       | П   |          | $\neg$    |                 |           | $\sqcap$   | 寸          | 7          | <b>기</b> }      |       | 65       | $\vdash$ | $\top$  | 1            | <del>                                     </del> |              |        | $\vdash$         | ┪.       |          | 115        |                |               | +-      | 1      | $\Box$   | $\dashv$           | $\dashv$ |
| $\neg$          | 16       | П   |          |           |                 | · ·       |  | 7          |            | 7 1             |       | 66       | 1        | $\dashv$  | T            | Г  | П            |        |                  | 7        |          | 116        | $\Box$         | $\dashv$      | $\top$  | $\top$ | П        | o                  | 1        |
|                 | 17       |   |          |           |                 |           |  | ╛          |            | ] [             |       | 67       |          |   |              |  |              |        |                  | _        |          | 117        |                |               | _       |        |          |                    | $\top$   |
|                 | 18       | $\Box$  |          |           |                 |           |  |            |            |                 |       | 68       |          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |              |  |              |        |                  |          |          | 118        |                |               |         |        |          |                    |          |
|                 | 19       | $\Box$  | _]       |           |                 |           |  | $\Box$     | $\Box$     | ] [             |       | 69       |          |   | oxdot        | 匚  |              |        |                  |          |          | 119        |                |               |         |        |          | $\Box$             |          |
| _               | 20       | Ш   |          |           |                 |           | $\sqcup \downarrow$                              | 4          | $\perp$    | IJ              |       | 70       |          |   |              | L  | $oxed{\Box}$ |        |                  | _        | $\perp$  | 120        | $\perp$        |               |         |        |          |                    |          |
| _               | 21       | Ý   | _        |           |                 | L.        | _  | 4          | _          | <b>⅃</b> ᆝ      |       | 71       | $\sqcup$ | _   | ↓_           | <u> </u>   |              |        | $\sqcup$         | _        | $\vdash$ | 121        | $\perp$        | $\perp$       | _       | 1      |          | $\sqcup$           | $\perp$  |
| $\dashv$        | 22       | 7   | _        |           | L               | L.        | $\vdash \vdash$                                  | 4          | 4          | <b>⊣</b> ∤      |       | 72       | $\sqcup$ | 1   | <del> </del> | <u> </u>   | <b> </b>     |        |                  | 4        | $\vdash$ | 122        | $\perp$        |               | $\bot$  | 1      |          | $\perp \downarrow$ | $\perp$  |
|                 | 23<br>24 | -1-   |          |           | $\sqcup \sqcup$ | Ш         | $\sqcup$   | $\dashv$   | _          | <b>⊣</b> !      |       | 73<br>74 |          |   | ᆚ_           | Щ.   |              |        |                  |          | L        | 123<br>124 |                |               | ┸       |        | Ш        | $oldsymbol{\perp}$ |          |